MIDDLESEX UNIVERSITY

SCHOOL OF PODIATRY

CATALOGUE

1941-1942

Boston **Massachusetts**

STATEMENT

The Annual Catalogue, published well in advance of the school year to which it applies, contains a condensed record of the Faculty and of the Courses of Instruction to be offered in the School of Podiatry; announcements relative to the calendar, requirements for admission and graduation, fees, examinations, and rules for student conduct, and information concerning the Pre-Podiatry Course.

The provisions of this catalogue are not intended to be taken as a basis for the contractual relationship arising between the University and its students. The purpose of the Officers and Trustees is continuously to improve the methods and standards of instruction, and they reserve to themselves the right and responsibility of altering at any time the curriculum, requirements, teaching personnel, fees, and rules, as circumstances may require, or as they may deem to be the best advantage of the University.

MIDDLESEX UNIVERSITY

Catalogue

of the

School of Podiatry

1941-1942

415 Newbury Street

BOSTON MASSACHUSETTS

1941

JANUARY

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1942

JANUARY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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University Calendar

1941

July 7	Monday	Summer session begins.
Aug. 16	Saturday	Summer session ends.
Sept. 15 to 20	Monday to Saturday	First installment of tuition due.
Sept. 22 to 27	Monday to Saturday	Examinations for the removal of conditions.
Sept. 25	Thursday	Fall Session opens.
Oct. 13	Monday	Columbus Day. A holiday.
Nov. 11	Tuesday	Armistice Day. A holiday.
Nov. 26 to 29	Wednesday to Saturday	Thanksgiving Recess.
Dec. 22 to 27	Monday to Saturday	Second installment of tuition due.
Dec. 22	Monday	Christmas Vacation begins.

1942

Jan. 5	Monday	Classes resumed.
Feb. 9	Monday	Second Semester begins.
Feb. 23	Monday	Washington's Birthday. A holiday.
Mar. 17	Tuesday	Evacuation Day. A holiday.
Mar. 23 to 28	Monday to Saturday	Third installment of tuition due.
Mar. 23 to 28	Monday to Saturday	Spring recess.
Mar. 31	Monday	Classes resumed.
April 20	Monday	Patriots' Day. A holiday.
May 30	Saturday	Memorial Day. A holiday.
June 13	Saturday	Seniors' Class Day
June 14	Sunday	Baccalaureate Service.
June 15	Monday	Commencement Exercises.

The Trustees of Middlesex University

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C. Ruggles Smith

First Vice President
Frank L. Whipple

Second Vice President
John M. Russell

Treasurer
John Hall Smith

Secretary
Horatio S. Card

Recorder
Mabel B. Smith

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Howard Charles Gale	Beverly
Joseph I. Cheskis	Boston
Harry R. Bolan	Cambridge
Henry F. Beal	Waltham
Hugh Wallace Smith	Melrose
Royce W. Gilbert	Newton
Rose F. Jannini	Winthrop
Thomas J. Smith	Boston

Officers of Administration

Directors of the School of Podiatry

President of the University
C. Ruggles Smith, A.B., A.M., Litt.B., LL.B.

Dean of the School of Podiatry
Hiram B. Donaldson, Pod.G.

Assistant Dean of the School of Podiatry
A. A. Belanger, Pod.G.

Director of the Podiatry Clinic
Herbert W. Johnston, Pod.G.

Director of Podiatry Research
Joseph Guy, Pod.G.

Professor of Podiatry
Walter M. Horne, Pod.G.

Howard Charles Gale, A.A., S.T.B., M.D.	University Marshal
John M. Russell, A.B., LL.B. . .	Counsel
Russell F. Brodman, Ph.G., A.B., M.D., and Rose F. Jannini, M.D. . .	Physicians to Students
Harold M. Kaplan, Ph.D. . . .	Registrar
Anne T. McGrath, R.N. . . .	Clinical Supervisor
Marjorie K. Faxon	Bursar
Florence E. Turner	Librarian
Ruth Doyle	Secretary to the Dean

Faculty of The School of Podiatry

THE list of faculty, comprising the professors, associates, assistants, and instructors, in the School of Podiatry, includes those engaged in teaching during the session 1940-1941, and those who have been appointed up to January 1, 1941, for the session 1941-1942. The complete list of faculty appointments for the 1941-1942 school year will not be available until September, 1941. It is anticipated that a substantial number of important additions to the faculty roster will be announced during the intervening period.

C. RUGGLES SMITH, *President* . . . . . *Jurisprudence*
A.B., LL.B., Harvard; A.M., Litt.B., Columbia

HIRAM B. DONALDSON, *Dean* . . . . . *Ethics, Podiatry*
Pod.G., Middlesex University

A. A. BELANGER, *Assistant Dean* . . . . . *Podiatry*
Pod.G., Middlesex University

S. PHILIP BIALOW . . . . . *Dermatology, Therapeutics*
Ph. G., Brooklyn College of Pharmacy
M.D., Middlesex University

JOSEPH BLANK . . . . . *Pathology*
B.S., Moravian College; M.D., Middlesex University

RUSSELL F. BRODMAN . . . . . *Podiatric Medicine*
Ph.G., Philadelphia College of Pharmacy
A.B., Temple University; M.D., Middlesex University

VINCENT J. CANZANELLO . . . . . *Anatomy, Hygiene*
M.D., Middlesex University

WILLIAM A. DOYLE . . . . . *Physical Therapy*
Pod.G., Middlesex University

LOUIS FELDMAN . . . . . *Physical Therapy*
M.D., Tufts College

HERMAN FESHBACH . . . . . *Physical Therapy*
B.S., College of the City of New York

SOLOMON H. GORDON . . . . . *Bio-Chemistry*
B.S., Massachusetts State College; Ed.M., Boston University

Joseph Guy . . . . . *Orthopedics*
Pod.G., Middlesex University

Benjamin Hecht . . . . . *Pharmacy*
B.S., Ph.C., Massachusetts College of Pharmacy
M.S., University of Wisconsin

Walter M. Horne . . . . . *Podiatry*
Pod.G., Middlesex University

Harry J. Hyfer . . . . . *Histology, Surgery*
M.D., Middlesex University

Herbert W. Johnston . . . . . *Orthopedics*
Pod.G., Middlesex University

Samuel Kamberg . . . . . *Radiology*
M.D., Tufts College

Harry G. A. Kauris . . . . . *Physical Therapy*
Pod.G., Middlesex University

Herbert Kornblitt . . . . *Psychiatry, Psychology*
M.D., Middlesex University

George Kovacs . . . . . *Podiatry*
Pod.G., First Institute of Podiatry

Benjamin Lelyveld . . . . . *Podiatry*
Pod.G., Middlesex University

Albert Levine . . . . *Medical Diagnosis, Physiology*
B.S., Boston University; M.D., Middlesex University

Harold D. Millen . . . . . *Podiatry*
Pod.G., Middlesex University

Alfred C. Mucci . . . . . *Pathology*
M.D., Middlesex University

Meyer Pearlstein . . . . . *Bacteriology*
B.S., Columbia University; M.D., Middlesex University

Ralph G. Perkins . . . . . *Materia-Medica*
Ph.G., Massachusetts College of Pharmacy
Pod.G., Middlesex University

William E. Shub . . . . *Orthopedic Surgery, First Aid*
M.D., Middlesex University

Stella Sutherland . . . . . *English*
A.B., Queen's University; A.M., University of Chicago
Ph.D., University of Illinois

A. Carl Weisblatt . . . . . *Pathology, Neurology*
M.D., Middlesex University

Wilbur P. Welch . . . . . *Anatomy*
Pod.G., Middlesex University

I. Jacques Yetwin . . . . . *Physiology, Biology*
B.S., Rutgers; M.S., University of Chicago
M.D., Middlesex University

The Clinical Staff

Horatio S. Card . . . . . *Superintendent*
A.B., A.M., M.D., Bowdoin College

Herbert W. Johnston . . . . . *Director*
Pod.G., Middlesex University

A. A. Belanger, Pod.G.
W. A. Doyle, Pod.G.
H. J. Gallagher, Pod.G.
C. A. Girvan, Pod.G.
A. F. Good, Pod.G.
J. Guy, Pod.G.
S. Kanter, Pod.G.
J. A. Redmond, Pod.G.
R. M. Rosenthal, Pod.G.
W. F. Welch, Pod.G.

Anne T. McGrath, R.N., *Supervisor*

Podiatry — Chiropody

THE profession of Podiatry (or Chiropody, as it is also called) is a subdivision of the healing arts of comparatively recent development. Like dentistry it is closely related to the practice of medicine, with certain statutory limitations as to its scope. Podiatry is the scientific diagnosis, treatment, and prevention of foot ailments by medical, surgical, and mechanical means.

Now definitely established as one of the learned professions, Podiatry had its early beginnings in Boston in 1840, when the first office in this country was opened by a practitioner who dealt exclusively with disorders of the lower extremities.

The early spread of Podiatry was slow; the science was taught only by master to apprentice; and it was not until 1906 that the Massachusetts Chiropody Association was organized.

Podiatry emerged from the status of a trade and attained professional standing in New England when Middlesex University opened the first course of instruction in this field in 1916, and the Massachusetts legislature enacted a law regulating the licensing of chiropodists one year later.

The further elevation of Podiatry in the professional field was accomplished in 1937, when the Massachusetts legislature established a separate Board of Registration in Chiropody-Podiatry, with power to set minimum standards for podiatry education.

The profession of podiatry offers the advantage of a relatively uncrowded field of practice. Each year the appreciation of the value to the community of trained podiatrists is increasing, as the need for their services becomes more apparent, not only in general practice, but in industrial and commercial establishments, governmental departments, state and municipal institutions, and public and private schools.

The opportunities for public service in Podiatry are limited only by the initiative and enterprise of those who choose this field of professional endeavour. Careers of social usefulness may be attained not only in large cities, but particularly in smaller towns where the need for properly qualified chiropodists is definite. In more densely populated areas many podiatrists find it possible to serve the community best as specialists, limiting their practice to specific phases of the profession.

The School of Podiatry

THE School of Podiatry was established in 1916, and has always enjoyed the unique advantage of close affiliation with the School of Medicine and the College of Arts and Sciences. The faculties of these three university departments work in cooperation, with a resultant interchange of ideas and a sharing of facilities for laboratory teaching and research, that prove mutually beneficial.

Location, Buildings, and Facilities

The School of Podiatry occupies the Back Bay Building of Middlesex University, located at 415 Newbury Street, in the heart of the professional district of up-town Boston. It is half a block from the Massachusetts Avenue subway station, and contiguous to the Harvard Club and the Puritan and Somerset hotels.

The entire three years of the Podiatry course are given in the Back Bay Building, which contains five class-rooms, a large auditorium, several laboratories, administration offices, the entire foot clinic, and a gymnasium with a basket-ball floor and an indoor running track.

Other departments of the University are located on its 100-acre campus in Waltham, where it has erected an extensive group of new buildings during the past few years.

University Library

The general reading room and library of the University is situated in the Library Building which forms the western part of the quadrangle on the Waltham Campus. It contains a collection of several thousand volumes, including the latest scientific and medical text-books, modern language classics, works of reference, current and past copies of general and medical periodicals, and bound copies of scientific journals. Students from all departments may have access to the general library, and a separate branch library is maintained at the Back Bay Building for the School of Podiatry. A special collection of text-books and bound journals

in the chiropody field is maintained in this library, in addition to a generous selection of medical, scientific, and cultural books from the general library.

The Boston Medical Library, No. 8 The Fenway, is situated within four blocks of the School of Podiatry, and is open at all times to anyone needing its services. The only requirement is that a student, or other person, shall register at the desk when he visits the Library. Founded in 1875, it contains the largest collection of medical books and periodicals to be found in New England, including over 160,000 bound volumes, over 100,000 pamphlets and reprints, and some 900 current periodicals. Students also have free access to the great resources of the Boston Public Library, which is also in the Back Bay section, within walking distance of the School.

Student Accommodations

Satisfactory living quarters are available in the immediate vicinity of the School of Podiatry, at an average weekly cost of ten dollars for room and board. The University maintains a list of approved rooming houses, and there are a number of conveniently located restaurants.

Students arriving from out-of-town may secure lodgings at the Boston Y.M.C.A., 316 Huntington Avenue; and women students are recommended to the Y.W.C.A., at 410 Stuart Street, and the Franklin Square House, 11 East Newton Street, where accommodations exclusively for women may be obtained at moderate prices.

Scholarships, Student-Aid, and Awards

Middlesex University has no scholarship endowment, but individual gifts make available each year a limited number of scholarships covering in full or in part tuition in any department of the University. Applicants for these scholarships must have very high scholastic standing and must be in actual need of financial assistance. Continuance of the scholarship from one year to another depends upon the recipient's moral, social, and scholastic qualifications. All scholarship applicants must have a personal interview with the President and with the Dean of the School of Podiatry.

There are also available a limited number of service scholar-

ships covering the cost of tuition. Recipients of these scholarships must have proper qualifications to serve as laboratory assistants or otherwise.

Middlesex University has participated for several years in the federal student work program of the National Youth Administration. The purpose of this program is to provide employment of a socially useful nature for students who would otherwise be financially unable to continue their education. Students appointed to these positions are assigned to work under the supervision of various faculty members and are paid from $10.00 to $20.00 a month by the National Youth Administration. Middlesex University had a quota of 32 federal student work positions during the school year 1940-1941.

Civilian Pilot Training Course

The Civil Aeronautics Administration of the United States government assigns to Middlesex University quotas under the collegiate phase of its civil pilot training program. Students who are accepted for the pilot training course receive 72 hours of groundschool instruction and 35 hours of actual flight training at a nearby airport in order to qualify for a pilot's license. Practically the entire cost of this course is borne by the government. Last year five students enrolled in the School of Podiatry took the pilot training course and all were successful in receiving their pilot's licenses.

Requirements For Admission

The requirements for admission to the three-year professional course offered by the School of Podiatry include graduation from a standard high school and the successful completion of at least one year of approved college work, amounting to thirty semester hours, of which there should be six semester hours of credit each in the subjects of English, inorganic chemistry, and biology.

Properly qualified high school graduates who have not yet obtained the necessary college credits may enroll in the Junior College of Middlesex University for the year of college work required for admission to the School of Podiatry. A place is reserved in the School of Podiatry for all candidates who successfully complete the required college courses at Middlesex University. Attention

is directed to that part of the catalogue outlining the one-year pre-podiatry college course. A more detailed description of the recommended subjects is contained in the announcement of the College of Arts and Sciences.

Students who have successfully completed one or two years of work in an approved School of Podiatry may be admitted to advanced standing. In all cases, however, the senior year must be completed in attendance at Middlesex University.

The School of Podiatry is coeducational, since this is a profession which offers equal opportunities to men and women. Students desiring to secure admission to the School may obtain application blanks by writing to Middlesex University, 415 Newbury Street, Boston. The application should be filed accompanied by a personal unmounted photograph, not less than 2½ by 3 inches in size, and the verification fee of ten dollars. All students enrolled in the University are accepted for one year only, although re-admission is ordinarily granted if a student successfully completes the year's work. The University in no way binds itself to accept students for further instruction, and reserves the right to refuse admission or re-admission to any student, regardless of his educational qualifications.

No students will be admitted to the regular course except those properly matriculated at the opening of fall term, or within fifteen days thereafter.

Fees and Expenses

The requirements of podiatry education are such that only a limited amount of outside work can be done by a student without seriously endangering his health or scholastic standing. For this reason prospective students are urged to postpone their matriculation until they are reasonably sure of their ability to meet the expenses of at least the first year of the course. If a student is obliged to drop out of school before the completion of the three-year course in order to earn sufficient funds for the continuance of his education, he may apply for a leave of absence, and every effort will be made to make a place for him, should he make application for readmission within a reasonable time.

Fees are payable only by postal money order, certified check, express money order and telegraph order. Remittances must be made by mail, and addressed to Middlesex University, Box 310, *Waltham, Massachusetts.*

The verification fee of ten dollars is payable by all new students and should accompany the filing of the application blank. This fee is not refundable except in cases where the application is rejected through no lack of qualification of the applicant, but because no vacancy exists in the class to which admission is sought. The verification fee is payable only once, and may be credited to the student's account, should he withdraw his application and then re-apply in a subsequent year.

The matriculation fee of twenty-five dollars is payable by each candidate for admission or re-admission to the School, when he is notified that his application has been acted upon favorably by the Committee on Admissions. No place will be reserved in a class until the accepted applicant has paid this matriculation fee. This fee is payable annually and is not refundable; its function is to reserve a place for the matriculant, and it does not constitute part of the tuition.

The tuition fee of $300 is charged for each year of instruction in the School of Podiatry. This fee is payable in three equal installments on the dates indicated on the University Calendar. The tuition fee includes all laboratory charges except breakage, damage, and loss of apparatus. It is not subject to refund.

The tuition fee for the pre-podiatry course in the Junior College is $200, payable in three installments of $70, $65, and $65, respectively.

Any student whose installment of indebtedness to the School remains unpaid on the date fixed for final payment is deprived of the privileges of the School until he is reinstated. Reinstatement is obtained only by consent of the Board of Trustees, after payment of all indebtedness and a reinstatement fee of ten dollars. This charge of ten dollars is also payable, in the form of a late-registration fee, by all students who may be permitted to enroll in the School after the date set for payment of the first installment of the tuition.

The graduation fee of twenty-five dollars is payable by all successful candidates upon notification by the Committee on Graduation.

An examination fee of five dollars is charged for the first re-examination in any subject failed. Any subsequent or special examination, except in the case of illness, is subject to a charge of ten dollars.

A student may obtain one transcript of his scholastic record

without charge. A clerical fee of one dollar is required for all additional transcripts.

The cost of required textbooks and the standard equipment for use in the clinic amounts to about sixty dollars for the entire course. This equipment includes most of the instruments that will be needed in private practice after graduation.

There are no laboratory fees or term bills, except in case of unreasonable waste of material, damage to apparatus, or abuse of the premises. There are no student activity fees, or other unannounced charges.

Medical Attendance

Medical advisers with offices in Boston in the vicinity of the School of Podiatry will be available for consultation by students. They may also be seen by appointment at the School. A routine medical examination of each member of the entering class will be made at the beginning of the academic year.

Any illness necessitating absence from class must be reported to the medical adviser. Attendance during all class and laboratory exercises is required. Students who are absent, for any considerable time, on account of illness or for other unavoidable reason, must present medical certificates or other satisfactory evidence in justification of their absence.

Examinations and Promotion

Admission to the School is for one year only, and the Trustees reserve the right to dismiss a student at any time, or to refuse readmission or promotion to any student.

The podiatry course extends over a period of three years, and the students are divided into three classes. Promotion from one class to another is based upon the satisfactory completion of the work of each year. A student will not be admitted to the final examinations in any course unless his class record, attendance, and laboratory work in that subject are satisfactory, and all of these elements will be considered in the determination of his final grade. Marks are given in all courses on a percentage basis, and a grade of seventy-five per cent is required to pass the course.

A student will not be allowed the privilege of final examinations, or be given his final grades in any course, until he has satisfied all of his financial obligations to the School.

The Committees on Promotion, consisting of Administrative Officers of the School and members of the Faculty, review the work of the student at the end of the first and second years of the course. It is within the province of the Committees on Promotion to decide whether a student shall be promoted to the next class, shall be permitted to take further instruction in the Summer Session and examinations for the removal of conditions in September, shall be required to repeat the year's work, or shall be denied further registration in the School by reason of unsatisfactory scholarship.

Students who fail to receive passing grades in the final examinations in June may, at the discretion of the Committees on Promotion, be given an opportunity to enroll in the Summer Session for further instruction in the subjects failed, and to take examinations for the removal of their conditions during the scheduled re-examination period in September before the opening of the school year. A fee of five dollars is charged for every such re-examination. The Committees on Promotion may permit re-examination in certain instances without requiring the conditioned student to enroll for further instruction in preparation for such examinations. Students who are eligible for re-examinations must make written application at least two weeks before the examinations are scheduled, and remit the required fee of five dollars for each examination.

The mere attainment of passing grades does not insure promotion. The continuance in good standing of any student is also contingent upon his faithful adherence to the rules and regulations of the School and of affiliated institutions, as well as his observance in extra-curricular activities of a moral standard appropriate to one aspiring to the podiatry profession.

Any student who voluntarily withdraws from the School for proper reasons forfeits his standing, but may apply for readmission in a subsequent year. If not too long a time has elapsed, and if changes in the rules of promotion or in the curriculum do not render such an admission impractical, his application should receive favorable consideration.

Students required to withdraw from school for reasons of national defense will be granted a refund of any unearned tuition and a leave of absence until such time as they are able to return to school. No student who enlists or is drafted for military service will forfeit his standing.

Requirements for Graduation

Each candidate must have fulfilled the following requirements to be eligible for graduation:

1. He must be at least twenty-one years of age and of good moral character.
2. He must have satisfactorily completed the three-year course in separate years.
3. If he has been admitted to advanced standing from some other school of podiatry, he must have completed the last year at Middlesex University.
4. He must have received a passing grade in each subject of the curriculum, and he must have presented a satisfactory record of clinical work.
5. He must have furnished a personal photograph and his signature for identification.
6. He must have satisfied all indebtedness to the University including the graduation fee of $25.00.
7. He must have satisfied the Trustees that he has not only the knowledge essential to the practice of his profession, but also the moral and ethical characteristics that should be possessed by every practitioner.

Clinical Instruction

The most important single course in the curriculum is clinical podiatry, for it is only in the practical application of the principles of podiatry as taught in the clinic that the student may properly be trained to enter this professional field.

The Foot Clinics of Boston, operated by the Freeman L. Lowell Memorial Hospital and Dispensary at 415 Newbury Street, afford a wealth of clinical material, offering podiatry treatment to several thousand patients each year. This clinic provides free treatment to the poor and unemployed. The clinicians are all members of the faculty of the School of Podiatry.

The clinic is finely equipped and has accommodations for the treatment of fifty to seventy-five patients daily. So that their practical instruction may cover every phase of podiatry, the students are assigned in rotation to the various departments of the

clinic, including the Diagnostic Clinic, where new patients are first examined; the Orthopedic Clinic, where the more serious mal-formations of the feet are treated; the Physio-therapy Clinic, which is equipped with modern electrical apparatus for the relief of foot ailments; the Children's Clinic, maintained for the periodic examination and treatment of school children; and the male and female divisions of the general podiatry clinic.

Clinical training is also conducted by the podiatry faculty in the out-patient department of the Forest Hills General Hospital in Boston. The Middlesex Hospital in Cambridge is affiliated for teaching purposes with Middlesex University, and has extensive equipment for fluoroscopic and X-ray diagnosis.

The Curriculum

THE standard three-year course offered by the Middlesex University School of Podiatry conforms with the curriculum prescribed by the National Association of Chiropodists and required by the Massachusetts State Board of Registration in Chiropody-Podiatry. The minimum hours of instruction, given five days a week, 34 weeks a year, for three years, total 3355; and additional hours are added in specified subjects as the need may arise.

Instruction is conducted in the class-room, the laboratory, and the clinic. It consists of didactic lectures, recitations, and quizzes; dissection of the human lower extremity, the completion of standard laboratory experiments; observation and supervised treatment of foot disorders of clinical patients.

Curriculum of the School of Podiatry

Subject	First Year Class	Second Year Class	Third Year Class	Total
Anatomy and Histology	228	34	34	296
Physiology	170	34	34	238
Chemistry	204	..	..	204
Bacteriology	34	102	..	136
Pathology	..	68	68	136
Materia Medica, Pharmacy, and Therapeutics	102	34	68	204

Subject	First Year Class	Second Year Class	Third Year Class	Total
Dermatology and Syphilology	..	68	34	102
Neurology	..	..	34	34
Medical Diagnosis and Chiropodial Medicine	..	34	85	119
Surgery	..	68	34	102
Podiatry	34	136	68	238
Foot Orthopaedics	68	68	102	238
Physical Therapy	102	68	68	238
Roentgenology	..	..	68	68
Foot Gear	..	68	..	68
Hygiene and Sanitation	34	34	34	102
Psychology and Psychiatry	..	..	34	34
Ethics, History of Podiatry, and Jurisprudence	34	34	20	88
Professional Economics	..	..	17	17
Orthopaedic Surgery	..	..	34	34
Emergencies	17	..	..	17
Clinic	30	306	306	642
Total	1057	1156	1142	3355

Description of Courses

The medical subjects in the curriculum are taught under the supervision of the Faculty of the School of Medicine and the academic subjects by the Faculty of the College of Arts and Sciences.

Anatomy.

The courses in this field include the study of embryology and histology; lectures and quizzes are supplemented by work in well-equipped modern laboratories, and by a thorough course in the dissection of the lower extremity in the well-lighted and ventilated dissecting rooms of the School of Medicine. An adequate consideration of the gross anatomy of the entire body is followed by the intensive and detailed study of the lower extremities.

Bacteriology.

This course consists of a survey of bacteria and related organisms. The pathogenesis of infectious diseases is emphasized. It consists of lectures, demonstrations, and laboratory instruction in

the procedures employed in microscopical, cultural, experimental, and immunological diagnosis of infections. The course is designed to familiarize the student with common pathogenic and non-pathogenic bacteria.

Physiology.

Didactic instruction in the essentials of human physiology, with a general consideration of the phenomena of digestion and circulation. Special emphasis is placed on the lower extremities including the physiology of locomotion, and the functions of the muscles and skin. Laboratory work includes the basic experiments conducted in the standard medical course in physiology.

Chemistry.

This course presupposes an elementary knowledge of inorganic chemistry. It begins with a consideration of organic chemistry, of the aliphatic and aromatic reactions and compounds of medicinal and biological importance, proceeds with a brief survey of the principles of qualitative analysis, and is concluded with a study of the chemical substances and reactions involved in the physiological processes of the human body. The laboratory work includes a study of the chemical constituents of living matter, the chemical properties of carbohydrates, proteins, and fats, aspects of nutrition, the action of digestive enzymes, and practical training in urinalysis.

Hygiene and Sanitation.

An application of the general principles of Hygiene to specific problems arising in the practice of Podiatry. Emphasis is placed on those aspects of infectious diseases which relate to problems of public health and preventive medicine. Sanitation in the office, the home, and the community is discussed; and effective methods of disinfection considered.

Pathology.

Lectures in pathological phenomena relating to Podiatry, supplemented by laboratory examination of gross and microscopic tissues. Emphasis is placed upon the abnormal conditions of the lower extremities including inflammation, infection, circulatory diseases, neoplasms, and other lesions of the foot.

Surgical Podiatry.

The lectures in the general field of Podiatry constitute the major study during the three years of the curriculum and are sup-

plemented with frequent written and oral quizzes and closely correlated with clinical observation and training. Instruction covers the history and ethics of the practice of podiatry; the treatment of general foot ailments by medical, mechanical, and surgical means; and includes care of instruments, asepsis and antisepsis, foot hygiene, prophylactics, professional economics, office procedure, and all subjects relating to the practice of Podiatry that are not specifically covered in other courses.

Foot Orthopaedics.

Didactic lectures, coordinated in the second and third year with clinical training, in the etiology, diagnosis, and treatment of foot deformities and disturbances in the mechanics of locomotion. The subject includes strapping, plaster casts, posture, braces, the application of mechanical corrective appliances, and other means of therapy exclusive of major surgery.

Foot Gear.

A didactic course in the study of shoe materials and construction in their etiological relation to foot ailments, with emphasis upon the proper methods of alleviating foot abnormalities by shoe alteration and the prevention and cure of distress and disease by proper prescription and fitting of foot wear. Particular attention is paid to the problems of children's shoes. Various aspects of this course such as the diagnostic characteristics of ill-fitting shoes are repeatedly demonstrated in the clinics.

Physical Therapy.

Laboratory and class-room instruction in this field begins with a consideration of the elements of physics and natural science and proceeds to the application of this knowledge in the treatment of such abnormalities of gait or superficial skin diseases as may properly be treated by the Podiatrist. The student is instructed in the methods of massage and in the use and care of physiotherapy apparatus. Instruction is carefully correlated with training in the Physio-Therapy Clinic.

Clinics.

Clinical training begins in the first-year with a limited amount of observation and continues intensively in the second and third years when the student treats under the supervision of clinical instructors all types of foot disorders and is instructed in the

practical use of the accepted methods of podiatry, physio-therapy, orthopaedics, shoe therapy, plaster of paris, liquid rubber technique, and pharmaceutical preparations.

Materia Medica.

This course covers a thorough consideration of those medications of use in the treatment of foot ailments. Instruction includes the composition and manufacture of such preparations of the U. S. Pharmacopoeia and National Formulary as are applicable to the practice of Podiatry. The student is trained in prescription writing and considers appropriate drugs, ointments, and tinctures, from the point of view of their therapeutic value, physical and chemical properties, dosage, method of application, toxicology, and physiological action.

Surgery.

Lectures on the principles of surgery and practical work in the application of bandages, splints, and dressings, and in the use of local antiseptics. The didactic teaching is coordinated with clinical instruction, and covers the subjects of asepsis and antisepsis, treatment of new growths, wounds, infections, sprains, minor fractures, and other elements in the field of minor surgery.

Neurology.

Lectures on the anatomy and physiology of the central nervous system, followed by a consideration of those diseases and disturbances of the nervous system with manifestations in the lower extremities. The didactic work is coordinated with clinical demonstrations of nervous and glandular afflictions that relate to podiatry.

Psychology and Psychiatry

A didactic course in the elements of psychology, applied psychology, and psychiatry. Instruction begins with a brief consideration of sensation, perception, imagination, memory, thought, volition, and the mechanisms of human behavior; and proceeds to an application of these principles to professional practice. The second half of the course is devoted to a study of the etiology, diagnosis, and treatment of the various forms of mental disease; and includes field trips to state hospitals.

Dermatology and Syphilology.

The histopathology, diagnosis, and treatment, of diseases of the skin, syphilitic dermatoses, and other cutaneous lesions manifesting themselves in the legs and feet.

Orthopaedic Surgery.

The principles of orthopaedic surgery with emphasis on the abnormalities that are manifested in the lower limbs, or that may be the outcome of foot lesions. Lectures and demonstrations concerning posture, gait, inflammation of joints, deformities, and dislocations, flat-foot, weak-foot, club-foot, bow-legs, and knock-knees.

Roentgenology.

Lectures and demonstrations on the principles and use of the x-ray, and the diagnosis of lesions and deformities of the foot by means of x-ray photography. Emphasis is placed on the physical laws pertaining to radiology, the precautions and methods employed in taking x-ray pictures, and the recognition of normal and abnormal foot conditions in the x-ray negative.

Medical Diagnosis and Podiatric Medicine.

A study of the history, principles, and practice of medicine, and the application of methods of diagnosis and treatment to foot lesions and to diseases that manifest themselves in the lower extremities.

Emergencies.

Instruction in the methods of first-aid, and the temporary treatment of wounds, burns, hemorrhage, shock, fractures, fainting, fits, hysteria, cardiac conditions, and other emergencies.

Jurisprudence.

A study of the legal principles applicable to the practice of podiatry, including a consideration of the elements of contracts, agency, torts, malpractice, and the specific statutes governing professional conduct.

The Pre-Podiatry Course

The Junior College of Middlesex University offers to properly qualified high school graduates a year of college work designed to meet the requirements for admission to the School of Podiatry; and the University reserves a place in the freshman class of the School of Podiatry for any applicant who successfully completes this pre-podiatry course.

The one-year pre-podiatry course covers thirty-four semester hours of college work, and includes the following subjects:

English Composition . . .	6 semester hours
Inorganic Chemistry . . .	8 semester hours
General Biology	8 semester hours
Modern Language . . .	6 semester hours
Social Science	6 semester hours

GIFTS AND ENDOWMENT

Middlesex University is authorized by the Massachusetts Legislature to receive and hold donations, legacies, and bequests of real and personal property to an extent not to exceed five million dollars, and to use such property or the income therefrom for its general educational purposes.

The School of Podiatry and the charitable Foot Clinic are now in immediate need of substantial endowment funds. The Trustees will be glad to receive specific gifts of books, equipment, or material for the use of any department of the University; and would be very grateful for any donation to the endowment of the University.

Bequests may be made in the following form:

I give to the Trustees of Middlesex University, an educational institution incorporated under the laws of the Commonwealth of Massachusetts, the sum of_____dollars, to be applied to the general purposes of the University.

MIDDLESEX UNIVERSITY

JUNIOR COLLEGE
Preprofessional Courses, Arts and Sciences

COLLEGE OF ARTS AND SCIENCES
A.B. and B.S. Degrees

SCHOOL OF MEDICINE
M.D. Degree

SCHOOL OF VETERINARY MEDICINE
D.V.M. Degree

SCHOOL OF PODIATRY
Three-year Didactic and Clinical Course

SCHOOL OF PHARMACY
Two-year Comprehensive Course

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